

GWF -Construction Equipment Emission Factors

Emission Factor (Table A9-8-A: lb/hr)							
Construction Equipment	Equipment Catagory	SCAQMD Table ¹	CO	ROC	NOx	SOx	PM10
Sitework (Earthwork and Civil)							
Backhoe, 1.0 Cy	Wheeled Tractor	A9-8-A	3.580	0.180	1.270	0.090	0.140
Front End Loader, 2 Cyd	Wheeled Loader	A9-8-A	0.572	0.230	1.900	0.182	0.170
Grader, 200 Hp 14 Ft	Motor Grader	A9-8-A	0.151	0.039	0.713	0.086	0.061
Vibratory Plate (hand held)	Miscellaneous	A9-8-A	17.020	0.543	0.412	0.023	0.026
Rammer/Jumping Jack (hand held)	Miscellaneous	A9-8-A	17.020	0.543	0.412	0.023	0.026
Riding Vibratory Compactor	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Asphalt Paver	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Asphalt Cutter/Grinder	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Asphalt Compactor, Tandem Steel Drum Roller	Roller	A9-8-A	0.300	0.065	0.870	0.067	0.050
Erection Support Equipment							
Air Compressor, 185 CFM	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Air Compressor, 185 CFM	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Concrete Pump	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Scissors Lift	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
JLG 60 Ft	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
JLG 60 Ft	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
JLG 60 Ft	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Forklift Extended Boom	Fork Lift - 175 Hp	A9-8-A	0.180	0.053	0.441	---	0.031
Crane 110 Ton	Trucks:Off-Hwy	A9-8-A	1.800	0.190	4.170	0.450	0.260
Hydraulic Truck Crane 55 Ton	Trucks:Off-Hwy	A9-8-A	1.800	0.190	4.170	0.450	0.260
Hydraulic Truck Crane 55 Ton	Trucks:Off-Hwy	A9-8-A	1.800	0.190	4.170	0.450	0.260
Hydraulic Truck Crane 35 Ton	Trucks:Off-Hwy	A9-8-A	1.800	0.190	4.170	0.450	0.260
Hydraulic Truck Crane 22 Ton	Trucks:Off-Hwy	A9-8-A	1.800	0.190	4.170	0.450	0.260
Hydraulic Truck Crane 22 Ton	Trucks:Off-Hwy	A9-8-A	1.800	0.190	4.170	0.450	0.260
7000 Watt Portable Generator	Miscellaneous	A9-8-A	17.020	0.543	0.412	0.023	0.026
Welder - Miller 400d	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Welder - Miller 400d	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Highway Tractor	Miscellaneous	A9-8-A	0.675	0.150	1.700	0.143	0.140
Flat Bed Truck w/ Rails	Miscellaneous	A9-8-A	17.020	0.543	0.412	0.023	0.026
Water Truck	Trucks:Off-Hwy	A9-8-A	1.800	0.190	4.170	0.450	0.260

¹ South Coast Air Quality Management District CEQA Air Quality Handbook, 1993.